# ABSTRACT

Approximator apparatus, and an associated method, for approximating a Euclidean norm. A transformer transforms component portions of a data symbol into transformed values. And, the transformed values are provided to an estimator. The estimator estimates the Euclidean norm responsive to the transformed values provided thereto. When a higher level Euclidean norm is to be approximated, transforming and estimations are iteratively performed to form successive two dimensional Euclidean norm approximations.